# Sustainability Development Goal (SDG) Report

(Session 2021-2022)



# **Centre for Sustainability**

Maharishi Markandeshwar (Deemed to be University), Mullana - 133 207, Ambala, Haryana (Accredited by NAAC with Grade 'A++')

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**Number of Journal Publications: 2 (approx..)** 

## **Scholarships**

Maharishi Markandeshwar (Deemed to be University) is deeply committed to contributing to the realization of Sustainable Development Goal 1: No Poverty. Our efforts are multifaceted, addressing both immediate and systemic factors that perpetuate poverty. Here are some of our key commitments:

Percentage of Marks in Grade 12/A Level or Graduation	Scholarship Offered	Scholarship Offered for Engineering/MBA/ MCA Programs
Students securing upto 54.99 %	30%	40%
Students securing 55 to 54.99 $\%$	40%	50%
Students securing 60 to 74.99 %	45%	55%
Students securing above 75 $\%$	50%	60%

\*Except Students from SAARC Countries

Following is the detail of students availing scholarships under various government and non-government schemes in MM(DU).

Scholarship Scheme	Number of Beneficiaries
AICTE-Special Scholarship For J&K Student	04

Bihar Student Credit Card Scheme	1569
Continuity Scholarship	295
CSR-JRF	1
DST-Inspire-SRF	1
Fee wavier to Weaker Section	586
HFSC-JRF	1
High Commission of the Republic of Zambia, New Delhi	2
Merit Scholarship	781
MMDU	610
PMS Bihar	56
Staff Fee Concession	21
Study in India	63
UGC SRF	5

Under COMPEX	9
URF	17

#### **Start-up Assistance**

National Innovation and Start-up Policy (NISP)

The National Innovation and Startup Policy 2019 for students and faculty of Higher Education Institutions (HEIs) enables the institutes to actively engage students, faculties and staff in innovation and entrepreneurship related activities.

#### **Objectives**

- To guide HEIs to promote and motivate students' for Innovation & Entrepreneurship
- To create Innovation Pipeline and Pathways for Entrepreneurs
- To Incentivize Faculty & Students for Entrepreneurship
- To provide Incubation & Pre-Incubation support
- To collaborate and Co-create the Business Relationship and Knowledge Exchange

This reflect Maharishi Markandeshwar (Deemed to be University)'s proactive approach to tackling the complex challenges associated with poverty. By combining education, research, community engagement, and strategic partnerships, we are committed to making a lasting impact on the lives of individuals and communities, aligning with the principles of SDG-1: No Poverty.

Incubation Centre is a platform in which we are committed to provide all the facilities required for the startup communities. Our incubation center is open for all of our students as well as faculty members. They get the facility of state-of-the-art labs, computer labs and instant mentoring support from our well educated and experienced faculty. At our incubation center, we are providing mentoring support to all incubates in terms of identification of opportunities, brain storming, prototyping, making products and commercialization.

Apart from curriculum, the institution has a number of centers of excellences which include BOSCH, CISCO, GOOGLE and SAP incubation center. Training and Placement department of MM (DU) offers incisive Skill Development Programs to groom the students to be Corporate Ready. We are also in process of establishing Centre for Skill and Entrepreneurship Development (CSED) on manufacturing and internet of things with a total investment of Rs. 26 crores.



## **Number of Journal Publications: 1 (approx..)**

Maharishi Markandeshwar (Deemed to be University) recognizes the critical importance of Sustainable Development Goal 2: Zero Hunger. Our commitment to this global objective is reflected in a series of initiatives and strategies aimed at addressing hunger and promoting sustainable agriculture. Here are some key commitments and ongoing efforts:

## **World Food Day**



World Food Day is an international day celebrated every year around the world on 16 October to raise awareness of issues behind poverty and hunger and to ensure the need for food. The Students of MMICTBM and MMICTBM (HM) have celebrated this day by conducting two successful events. The Students and Faculty of MMICTBM distributed 150 Food (Ration) Packets to 50 families in the slum area of Mullana. The main goal was to help the

underprivileged and downtrodden on the big day. The 2<sup>nd</sup> event was the awareness program that was conducted in the Centralized Mess at 12.30 Pm. The students of MMICTBM and MMICTBM (HM) aware the students to not waste food as wasted food means wastage of money and effort which is never good for anyone. It can be estimated that tons of food is wasted every year, so students from both the institutes prepared posters and motivated students to try to avoid wasting food. The slogan "UTNA HI LE THAALI ME VYARTH NA JAAYE NAALI MEIN" was used to make them aware. A total of 27 volunteers participated in the event including 20 Students and 07 Faculties and nearly 800 students were motivated to not waste food. The event attracted praise from the underprivileged and was a great success.



By aligning our academic, research, and community engagement initiatives with the principles of SDG-2, Maharishi Markandeshwar (Deemed to be University) is dedicated to making a meaningful impact on the global challenge of hunger, working towards a future where every individual has access to nutritious and sufficient food.



# Good Health and Well-being

**Number of Journal Publications: 222 (approx..)** 

Maharishi Markandeshwar (Deemed to be University) is deeply committed to advancing Sustainable Development Goal 3: Good Health and Well-being. Our commitment is reflected in a range of initiatives and strategies aimed at promoting health and well-being within our university community and beyond.

The 940 bedded state-of-the-art multi-Speciality and 200 bedded Super-Specialty Hospitals on the Campus provide all investigations and treatment facilities at zero cost to all the students of the campus. Ambulance facility is also provided 24X7. The Central Clinical laboratory in the Hospital is fully automated lab with equipments like Advanced Autoanalyzers, Vitek automated culture and sensitivity machine, Bactek for rapid culture and diagnosis of tuberculosis. VRDL lab is also functional in the institute. The institute also has a fully functional Molecular Biology Lab for molecular and gene studies. The students receive adequate exposure to this state-of-the-art laboratory equipment's during their clinical postings and visits to the laboratory. Selfdirected learning is also encouraged during these sessions. Central Laboratory, Radio diagnosis, Anaesthesia, Eye, ENT and Basic departments are well equipped for the practical training of students in various Paramedical courses so that they can work as capable and qualified Paramedical staff. All Speciality and Superspeciality Departments are well equipped to provide quality healthcare to patients.

The hospital has most modern Modular Operation Theatres, Intensive Care Complex and general wards. The operation theatres and intensive care areas are equipped with latest life-saving equipment's like Ventilators, Infusion pumps, Multipara monitors. There is also paperless e-ICU system fully functional on 100 ICU and Emergency Beds. Labour room, NICU and PICU are available to provide most advanced Maternal and Child Healthcare services. The teaching hospital has highly advanced state-of-the-art equipments like Versa HD Linear accelerator and CT simulator for Radiotherapy (Only Medical College in Haryana to have Linear Accelerator

Facility), Azurion (Philips) Cath. lab with Integrated IVUS and FFR for flow management and Intellispace Critical care and Anaesthesia System (ICCA) for e-ICU, two MRI, 128 Slice and 16 slice C.T. Scan, Ultrasounds, 24 hrs Blood Bank services, Dialysis, 24 hours Emergency service and Intensive care facilities which help in providing the latest and the best hand on experience to the students.



The hospital has all super speciality departments with super speciality facilities in Urology, Cardiology, Gastroenterology, Neurosurgery, Pediatric Surgery, Nephrology, Plastic surgery, Cardiothoracic and Vascular Surgery. All the departments have infrastructure much more than what is recommended by the regulatory authority (MCI). In Medical College, Equipments worth approx. 180 Crores has been installed to create world class infrastructure for providing excellent health education. The teaching hospital has got full NABH accreditation and MMIMSR is the only Medical College in Haryana to get NABH accreditation, which is testimony of quality healthcare and infrastructure. MMIMSR was the first Medical College in India to get Gold Certificate under Aayushmaan Bharat (PM-JAY) scheme of Government of India.

The Medical College Hospital is also recognized by the Haryana Government for treatment of its employees and their families. All departments are well equipped with all latest equipments as per the requirement of Medical Council of India. The clinical teaching utilises principles of Simulation based, problem based and evidence-based learning. Clinical teaching is carried out in small groups of 20 to 25 students posted in different clinical departments. Case based discussions with faculty helps in enhancing practical skills of the students. Seminars and tutorials using Audio Video facilities help in further clarification of the concepts. All the departments have good clinical material for clinical teaching as per the requirement of Medical Council of India. Here are some key efforts made by the various intitutes of MM(DU).



#### **Neurological Physiotherapy Medical Camp**

M. M. Institute of Physiotherapy and Rehabilitation organized a neurological physiotherapy camp on 24th May 2022 at Gurudwara Sahib, Mullana, Ambala. The aim of the camp was to create awareness regarding physiotherapy treatment in neurological conditions among rural population. Patients were assessed for their persisting problems and basic physiotherapy exercises were prescribed according to the need of the patients. Some patients were also advised for visiting the hospital for further diagnosis and proper treatment plan.

Dr. Nidhi Sharma (PT) and Dr. Aakanksha Saraf (PT) coordinated the event and maintained the discipline. All the PGs were motivated and took part with great enthusiasm. All the PGs spoke to the patients regarding their problems and acknowledged them about the role of neurological

physiotherapy interventions to improve their condition and quality of life. All the PGs also enlightened the part of how physiotherapy profession is becoming advanced in clinical scenario. Simran Jot, MPT 1 st year played a crucial role in organizing and managing the event successfully.

#### Outcome:

The patients were satisfied with the treatment session and were delighted to continue their further physiotherapy treatment.



#### **Physiotherapy Camp**

M.M. Institute of Physiotherapy and Rehabilitation organized a physiotherapy camp on 30 th March 2022 in Government School, Shimbla village, Ambala. The aim of the camp was to create awareness about physiotherapy among rural population. The patients were assessed for their persisting problems and basic physiotherapy exercises were prescribed according to the need of the patients. Some patients were also advised for visiting the hospital for further diagnosis and proper treatment plan.Dr. Javeria (PT) coordinated the event and maintained the discipline. All the students were motivated and took part with great enthusiasm. Ankita (MPT student, MMIPR) spoke to patients regarding their problems and acknowledged them about the role of physiotherapy to improve their condition and quality of life. She also enlightened the part of how physiotherapy becoming advanced in clinical scenario. Rohan (BPT intern) played a crucial role in organizing and managing the event successfully.



#### **Current collaborations with health institutions**

There are different ISR (Institutional Social Responsibility) programmes being conducted occasionally in the year 2022 to provide knowledge and information to improve the health of people and elevate their physical well-being

- Collaboration with Civil hospital Ambala and Mental health hospital Agra.
- Collaborative projects with PGIMER, Chandigarh; CSIR-IMTECH for biomedical research; Sir GangaRam Hospital, Delhi.
- 02 (Parkinson's disease and movement disorder Society, Mumbai, Bhaikaka University, Gujarat)

### Health outreach programs

**Blood donation camp:** - 06 TH DECEMBER 2022, NSS-MMDU, Mullana, Ambala has organized a blood donation camp at blood bank MM Hospital in association with HDFC Bank.



**Medical camp:** - 9<sup>th</sup> September 2022 Volunteers of NSS-MMDU, Mullana, in collaboration with M.M. Institute of Physiotherapy and Rehabilitation, organized a medical camp in one of our adopted villages Suhana. In this camp, we had medical check-ups for villagers regarding physical issues and also gave them respective therapy.





The National Service Scheme (NSS) volunteers organized a poster-making competition aimed at spreading awareness about diabetes and promoting healthy living on **World Diabetic Day**, On the occasion of **World Environment Day** 5<sup>th</sup> **June 2022**, volunteers of NSS MMDU have organized a Tree plantation Drive at Old Engineering. Block 1, MM University. This program was concluded per the instructions of NSS Program Coordinator Dr. Karan Agarwal, Dr. Ashok Arora (Director MMEC) attended as the chief guest, and Dr. J.K Sharma (Dean Student Welfare) DSW, Dr. Deepak Gupta, Dr. Sharad Sharma, Dr. Bandana Sharma, Dr. Tarun Gulati, and Dr. Vishal Gupta also registered their presence. In this program, Dr. Ashok Arora contributed to the environment. Explained the usefulness of trees.



#### Some other intitiates includes:

- Lecture on **Moral values** at Saraswati Vihar Senior Secondary School, Saharanpur on 11/12/2022.
- Lecture on moral values at Alpine Public School on dated 25-01-2023.



- Lecture on moral values at Disha Bharti College of Management and Education, Saharanpur on 22-03-2023.
- Various programs at the college level related to Cancer Awareness, HIV-AIDS Awareness, Tuberculosis etc. are organized every year.
- Free physiotherapy camps have also been organized to provide physiotherapy services and education (https://www.mmumullana.org/institute-social-responsibility-isr).

#### Sexual and reproductive health care services for students

The Women Cell of MMICT&BM(HM) in association with Study Centre, MMDU, on the occasion of International Women's Day 8<sup>th</sup> March 2022 organized an expert lecture on Women Health on the topic "Urinary Tract Infection in females-Cause and Remedies" by Ms. Manpreeti Kaur, Assistant Professor M.M Institute of Nursing. The Lecture covered the concept of UTI in females, Its major causes, symptoms and precautions. More than 30 girl students and female staff attended the lecture.

The ISR cell of MMICT & BM (HM) organized an awareness workshop on "Adolescent Sexual Health" on 2<sup>nd</sup> and 3<sup>rd</sup> March, 2022. The camps were organized in Government secondary school, village Sarakpur and Government Secondary School, Village Adohya respectively. Two faculty coordinators and 12 volunteer students coordinated the event. The students performed Nukkad Natak and gave a PowerPoint presentation on Adolescent sexual health, Nutrition and well-being, Around 30 students participated in the event and a session of question-answer and query-solving was organised after the event was completed. The students participated enthusiastically ion the event and the Principals of the schools appreciated the efforts. Reproductive health care is a part of the curriculum according to the guidelines by DCI for BDS 1st year physiology syllabus and thus all graduates are taught the same. Demography and family planning is a part of post graduate curriculum in Public Health Dentistry.

Various outreach programmes were organized by MMICT & BM (HM) regarding women Sexual health, providing knowledge related to overall sexual and reproductive health, and campaigning for good health and hygiene in 2022.



Guest lecture on Sensitization workshop on Implementation of sexual harassment of Women at workplace Act 2013 - 05/12/2022.

We have organised group projects on antenatal care and adolescent changes.

Awareness activities were conducted through GSCASH at the department level.

MM (DU) Mullana offers a variety of sexual and reproductive health care services to its students, including contraception, STI testing and treatment, pregnancy testing and counselling, and sexual health education.

#### Mental health support

## **Smoke-free policy**

MM(DU), Mullana, Ambala, Haryana, has developed a "Smoke-Free Campus" policy to preserve a tobacco-free atmosphere on their campus. This policy encourages individuals to quit smoking and promotes a tobacco-free environment. The MM(DU)'s goal is to establish a campus atmosphere free of smoking and tobacco use. https://www.mmumullana.org/student-welfare.

Maharishi Markandeshwar (Deemed to be University) aims to elevate its role as a leader in promoting good health and well-being, aligning with the principles of SDG-3 and contributing to a healthier and more resilient global community.



## **Number of Journal Publications: 167 (approx..)**

Maharishi Markandeshwar (Deemed to be University) is deeply committed to advancing Sustainable Development Goal 4: Quality Education. Our commitments are anchored in the belief that education is a powerful catalyst for individual and societal transformation. Here are some key efforts:



#### **Public resources (lifelong learning)**

The National Service Scheme (NSS) is a flagship youth program in India that aims to inculcate a sense of social responsibility and civic engagement among the nation's youth. Established in 1969, NSS has played a pivotal role in transforming the lives of countless students and communities across the country. NSS- MM(DU) organizes many activities as village camps, blood donation camps, Tree planta tion drives, medical camps, dental camps, food distributin drive, national days and many more. Our NSS units organizes various awareness programmes in the adopted villages (Budhian, Suhana, Simbla, Sarakpur, Holi). NSS-MM(DU) also hosted different 7 days and night camps including National Integration Camp (NIC) in which 200 volunteers participated from every part of India and they shared their culture and lifestyle between them. NSS-MM(DU) also witnessed many programmes for nearby slum areas like food distribution drive, awareness programmes, health activities, trainings, and educational campaingns, etc. and these kind of campaigns helps then to develope a well managed society.

Following subject are being taught at UG level besides Professional Engineering and professional Science course/engineering elective course:

- 1. Universal human values
- 2. Disaster management
- 3. Planning for sustainable development
- 4. Environmental studies
- 5.Projects
- 6. Survey camp

## **Public events (lifelong learning)**

B.Sc Nursing 4th year planned a mass awareness on Postnatal care in Civil Hospital Ambala cantt. Postantal care is important aspect of female and live healthy life and perform daily living activities. Family members and care giver participant as audience. On 22th Oct 2021 B.Sc Nursing 4th year conducted a group project on family planning methods. This India is on first rank in population and resources are limited. Awareness the eligible couple bucket of choice of conceptive and focus on small family norms. To achieve the goal of National health policy to stable the population till 2045. On 22nd Nov 2021 B.Sc Nursing 3rd year conducted awareness on prevention of lung cancer in OPD waiting area MMIMSR. On 7th Dec 2021 B.Sc Nursing 3rd year mass awareness on Prevention of malnutrition in OPD waiting area MMIMSR. In India 65% under five children are malnourished. Teach the community people regarding diet for malnutrition.

The DLSA, Ambala in collaboration with the Department of Law organized the Mega Legal Service Camp on October 14, 2021 at the MM Institute of Management, MM (DU). Mullana under the campaign of Azad Ka Amrit Mahotsav. The chief guest of the event was Sh. TC Gupta- chairman of Right to Service Commission. Haryana along with Dr. Sukhda Pritam - CIM cum Secretary DISA Ambala, ADC Ambala Sachin Gupta, Secretary Haryana Right to Service

Commission Meenavee Raj, SDM Barara Girish Kumar and Mr Sanjeev Garg. Treasurer MM (DU) Mullana. Around 31 departments of the District Ambala administration and some NGOs had set up their exhibition stalls for general public to provide and to make them aware of welfare schemes The Legal Aid Clinic of the Department of Law, also set up their stall to provide free legal aid to the poor and needy persons. Approximately 6000 people visited and benefited by this camp.



## **Education Outreach Activities Beyond Campus**

KISAN GOSHTHI

VILLAGE: MULLANA VENUE: DHARAMSHALA

DATE: 31/08/2022 TIME: 11:00 AM

Faculty Participated: Dr. V.S. Pahil (Director and Dean), Dr. O.P. Mehla (Professor LPM), Dr. R.S. Pannu (Professor Economics), Dr. M.K. Rana (Professor Vegetable

Sciences), Dr.

K.K. Vasishth (Professor, Agronomy), Dr. Akshay Kumar Vats (Asstt. Professor, Plant Breeding)

Kisan goshthi in Mullana village was organised on dated 31/08/2022 at 11:00 AM under RAWE internship programme. The function was well planned and organised by group of students placed

for internship in Mullana under RAWE (Rural Agricultural Work Experience). Above mentioned faculty members/scientists from Department of Agriculture,MM(DU), Mullana and sarpanch Sh. Naresh Chauhan were invited by students for expert lecture and views on "धान की फसल में पराली प्रबंधन और गायों में गांठदार त्वचा रोग रोक धाम". Dr. Akshay Kumar Vats hosted, introduced and invited various specialists of agriculture on stage. About 45 farmers attended this programme. Firstly, Dr. O.P. Mehla gave very informative talk on precautions and cure of lumpy virus skin disease in cows. Dr. M.K. Rana gave his expert lecture on management of vegetables and various crops in field. Dr. K.K. Vasishth gave his views on management of water/irrigation in field crops. Dr. R.S. Pannu discussed about how economics of the field can be balance by minimising/controlling the unnecessary expenses. Meanwhile, queries from all the farmers were answered by different experts. Honourable Director and Dean Dr. V.S. Pahil concluded the goshthi with his valuable suggestions. Sarpanch Sh. Naresh Chauhan gave vote of thanks to all the participants and ensured to organize such goshthis frequently in near future. Refreshment was arranged for all the participants. Few glimpses are shown below:

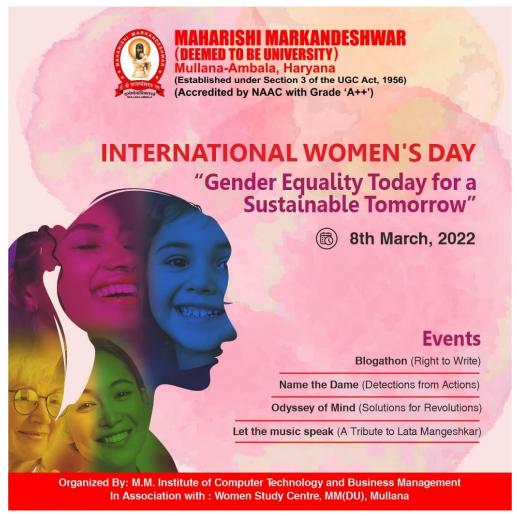


Maharishi Markandeshwar (Deemed to be University) is poised to create an educational ecosystem that not only meets the current needs of students but also prepares them for the challenges and opportunities of the future, contributing to the global pursuit of quality education outlined in SDG-4.



**Number of Journal Publications: 12 (approx..)** 

**International Women's Day** 

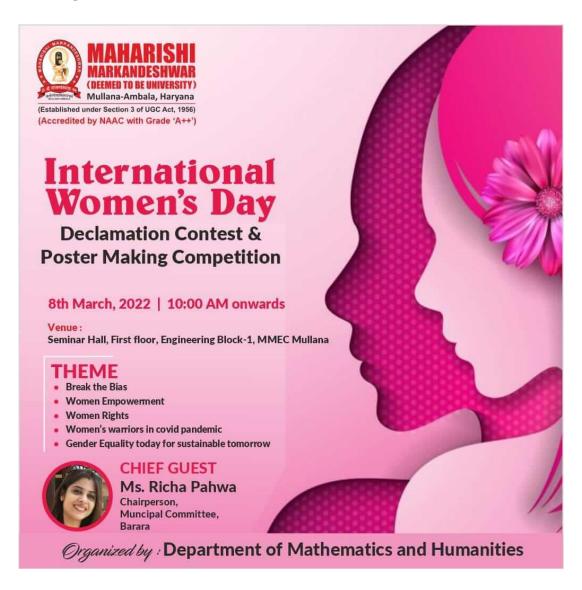


Theme: Gender Equality Today for a Sustainable Tomorrow

**Objective:** International Women's Day is a global day celebrating the social, economic, cultural and political achievements of Women. The day also marks a call to action for accelerating women's equality and making Women as potential as men. On this auspicious day, M.M. Institute of Computer Technology and Business Management in association with Women Study Centre, MM(DU), Mullana is organizing the following events to celebrate this day for encouraging the gender equality in Society.

**Date:** 08.03.2022 (Tuesday)

**Poster Making & Declamation contest** 



Department of Mathematics and Humanities, Maharishi Markandeshwar (Deemed to be University) on the occasion of International Women's Day(8th March, 2022) is going to organise the following events in physical mode:



**Number of Journal Publications: 19 (approx..)** 

## **Environment Pollution and Sustainable Development**



Event Category: Seminar

It was a Super Successful Event at MM(DU) today when the Seminar organised by the Department of Law in Collaboration with District Legal Services Authority Ambala, witnessed the presence of Hon'ble Justice Shri Adarsh Kumar Goel, Chairperson, National Green Tribunal & Former Judge Supreme Court of India. He shared valuable insights with the attendees on 'Environment Pollution and Sustainable Development'.



#### **Waste Management**

Blue and green colored dustbins for dry waste and wet waste, respectively, are placed in corners of the entire campus in order to easily segregate the biodegradable and nonbiodegradable waste. The supervisors ensure the collection of the waste at routine allotted time in each block of the campus. Later, through the mobile trash bins the entire collected waste is emptied in the dumping yard, where it is collected by the authorized vendors for further processing.

The sewage waste is collected through the well-constructed underground drainage system leading to the large collection tanks in the Sewage Treatment Plant for recycling. Treated water is pumped through sprinklers and overhead tanks to all the lawns. Laundry, laboratories and kitchen waste is passed through the Sewage Treatment Plants and Effluent Treatment Plant and the treated water is used for sanitation.

Waste Recycling System: Waste recycling plants namely Sewage Treatment Plants (STPs) and Effluent Treatment Plants (ETPs) system are present in the campus for liquid waste water recycling.

Number of Sewage Treatment Plants: 02 Number of Effluent Treatment Plant: 01

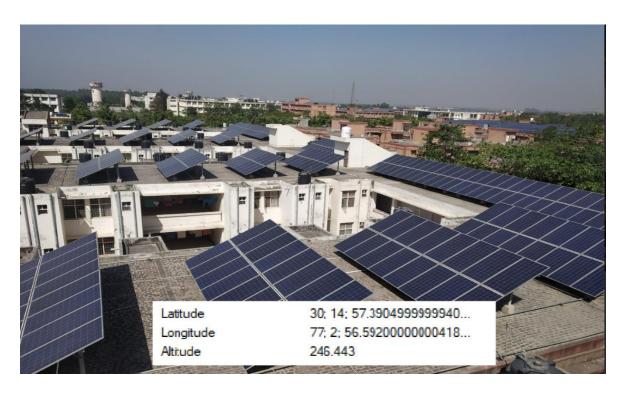
MM (DU) houses a Water Sewage Plant with a sewage treatment capacity of 2.6 MLD. MM(DU) also have a Chemical Dosing based Water Purification system.



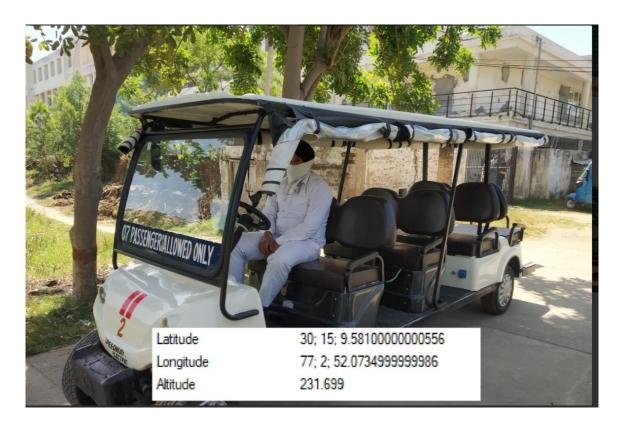


## **Number of Journal Publications: 145 (approx..)**

Almost, every building of MM (DU) is mounted with arrays of Solar Panels with a 4800 KW capacity Solar Power Generation Plant, which is the biggest installation in any University around the country and the MM(DU) has regularly been exporting huge number of electrical units to the State electrical grid. Keeping this in mind, almost, every building of MM (DU) is mounted with arrays of Solar Panels with a 4760 KW capacity Solar Power Generation Plant, which is the biggest installation in any University. The total CARBON FOOTPRINT per annum will be 54,00,000 and the CO2 reduction calculated in the number of trees will be approximately 2,50,000 Trees.



Further, Battery Powered Electric Vehicles have been introduced for movement within the campus. The MM(DU) conducts a green audit, energy audit and environment audit, regularly. It also has sensor-based energy conservation for its active areas. All electrical bulbs and tube lights are LED's.



Workshop on Energy Conservation Building Code & Eco Niwas Samhita



Event Category: Workshop

The Department of Civil Engineering, MMEC, in Association with Energy Conservation Building Code (ECBC) & Eco Niwas Samhita (ENS) Cell (HAREDA), organized two days Workshop. A glimpse of the event –





### **Number of Journal Publications: 5 (approx..)**

MM (DU) also provides proper support and guidance to the faculty members and the students who are having innovative ideas and creative bent of mind. The faculty members and students are encouraged to file patents/copyrights regularly for which the filing cost is borne by MM (DU). Further, under Research Promotion Policy of MM (DU), various incentives are given to the faculty and students which also includes publication charges of research paper, seed money, research awards to faculty and students, etc. Nearly Rs. One crore has been granted to Faculty members as seed money in last five years. Faculty members who are sanctioned research project from some funding agencies, also get slab-based incentive in the form of cash. Similarly, on transfer of technology, there is a provision to share a part of the earning with the concerned staff member. The MM (DU) has also signed Memorandum of Agreement with National Research and Development Corporation (NRDC) for commercialization of the technologies developed by the inventors of MM (DU) to the interested entrepreneurs and industries as per mutual agreed terms and conditions. As a result of these initiatives, a total of 219 patents and copyrights have been filed, out of which 85 patents have been published and 12 patents have been awarded during last five years. Further, 72 copyrights have also been awarded during this period. So far, total patents and copyrights awarded to the faculty of the MM(DU) comes to 18 and 81 respectively.

#### Wi-Fi Facility



## **Faculty Development Program: E-Content Development**



With the advent of Internet and world wide web (www), the access to information has become very easy and the entire world is moving towards digitization. Twenty first century students learn in a global classroom and not necessarily within four walls. They are more inclined to find information by accessing the Internet through mobile phones and computers, or chatting with friends on a social networking site. The advancements in technology and the plethora of powerful and innovative digital devices and tools have a great potential to improve educational outcomes. Educators must understand that the use of digital content and devices will improve teaching and learning and thus enhance educational opportunities and benefit the Millennial.

Invitation for 5 days Faculty Development Program with NITTTR. CHD on Open Source Cyber Security



M.M. Institute of Computer Technology and Business Management in collaboration with NITTTR, Chandigarh is organising a 5 days Short Term Course from  $22^{nd}$  August –  $26^{th}$  August 2022 on the Topic "Open Source Cyber Security" (ICT-69). The programme will be organised at C7 Lab, MMICT&BM (Second floor).

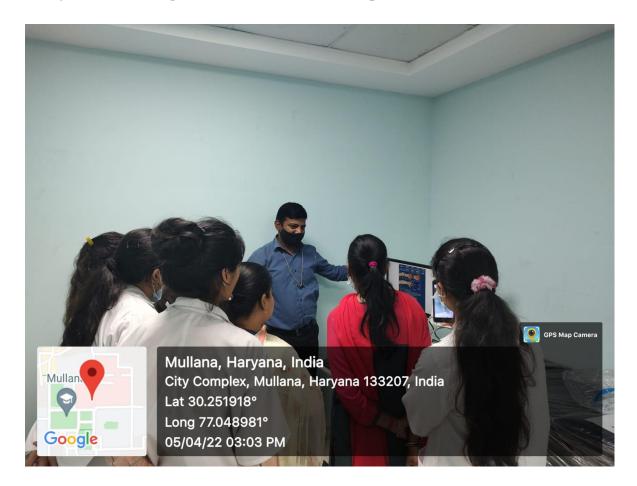


**Number of Journal Publications: 221 (approx..)** 

## Research income from industry and commerce

Research income from industry and commerce: Total	₹48,657,764
Research income from industry and commerce by subject area: STEM	₹18,831,455
Research income from industry and commerce by subject area: Medicine	₹21,284,309
Research income from industry and commerce by subject area: Arts & Humanities / Social Sciences	₹8,542,000
Number of employees	2,902
Number of academic staff	857
Number of academic staff by subject area: STEM	244
Number of academic staff by subject area: Medicine	453

## **Industry Academia Program on orientation of Neuropack S3 machine**



**Event Category: Other Programs** 

MM Institute of Medical Sciences and Research in collaboration with MM Institute of Physiotherapy and Rehabilitation organized an Industry Academia Program on orientation of Neuropack S3 machine, NIHON KOHDEN (manufactured in Japan), used to perform Electrodiagnostic Tests, conducted by Mr. Krishna Yogi from Gurugram, Haryana. This program was aimed to orient the neurophysiotherapy faculties and post graduates of neurology specialization of MMIPR about the functioning of machine with demonstration of the Nerve Conduction Velocity Test and Electromyography Test. 5 faculty members and 8 PG students attended the program.

#### The key points of the program were:

Features of Neuropack S3 machine, its importance, its working and its uses.



## One Day Workshop on Role of Intellectual Property Rights for Industry & Academia



Intellectual Property Rights (IPR) is concerned with the protection of tangible and intangible property. It provides rewards and recognition to inventor(s)/contributor(s) for their research, designs, discoveries and inventions etc. The aim is to train the participants about the mechanism of accessing and using IPR information for further research and development in developing new products and process and for their use in business development. Also suggest steps for transforming innovations into proprietary assets.

Maharishi Markandeshwar (Deemed to be University) aims to be at the forefront of fostering industry growth, promoting innovation, and building resilient infrastructure, contributing significantly to the realization of SDG-9.

## Classrooms



## **Seminar Halls**



#### Skill Labs



## Computer Centre



## **Demonstration Room**



## **Demonstration Room**

MMDU has been granted with 32 Patents related to Industry Innovation and Infrastructure and approximately 97 Patents have been published.



## **Number of Journal Publications: 1 (approx..)**

Maharishi Markandeshwar (Deemed to be University), Mullana – Ambala (hereinafter referred to as "MM(DU)") is committed to fostering an inclusive and diverse environment that promotes equality, respect, and understanding for all individuals associated with MM(DU). We value the diversity of our academic community and recognize that an inclusive environment enhances learning, creativity, and overall well-being. This Equality, Diversity, and Inclusion (EDI) Policy outlines our commitment to ensure equal opportunities and fair treatment for all, irrespective of age, gender or gender reassignment, disability, race, religion or belief, sexual orientation, marriage and civil partnership status, refugee and asylum seeker status, and pregnancy and maternity.

- 1. MM(DU) is dedicated to promoting a culture of equality, diversity, and inclusion where all individuals are treated with respect, dignity, and fairness.
- 2. We celebrate and embrace the diversity of our students, faculty, staff, and all stakeholders and recognize that each person's unique contributions are vital to our collective success.
- 3. Discrimination, harassment, victimization, or any other unfair treatment based on any of the protected characteristics mentioned in this policy will not be tolerated.
- 4. MM(DU) is committed to provide an accessible and inclusive environment that supports the needs of individuals with disabilities, ensuring equal access to all facilities and services.
- 5. Reasonable adjustments will be made to accommodate the specific needs of employees and students with disabilities to facilitate their full participation in campus life.

## **Disability Support Office**

The Dean Student Welfare office at MM(DU) works in collaboration with all the Departments of MM(DU) to provide equal learning opportunities to students with disabilities. The MM(DU) has formed its policy considering various aspects relating to disabled faculty/staff and students, including:

• The scope of the definition of disability has been expanded to include both physical as well as social disabilities

- Providing facilities like lifts/rumps/wheel chairs in various buildings
- Providing special washrooms for such students and faculty
- Providing human assistance at various places like library, reception etc.
- Provision of screen reader and other facilities on the MM(DU) website

About Vasudava Kutumbkum - The International Cultural Fiesta is organized annualyy sice 2019. India is a multicultural and multilingual land, where there are respect and honor for every custom, religion, and tradition, and we live by the motto "atithi devo bhawa", so to let every foreigner, home their hearts here at MMDU, we are presenting 'VASUDAVA KUTUMBKUM'-the International Cultural Fiesta 2019, where we shall try to unite the cultures from various nations, we would like you to join in the union. Imagine the sight of watching more of cultural heritage and diversity coming together under one roof. Few days of thrill and excitement, embarked in folk music, delicacies to drool over and what not. Beginning with our nation's core to extending till the peripheries of the world, we at MMDU, Mullana, Ambala, are all set for the merge. So folks, Let's join in the jam, for the blissful ride is about to begin.



**Number of Journal Publications: 9 (approx..)** 

## **Transportation Policy**

Transportation system of an educational institution is the backbone of its success story. Maharishi Markandeshwar (Deemed to be University) is strategically situated at Mullana, midway between two major cities of Haryana state i.e. Ambala and Yamunanagar. The University has a fleet of 84 buses connecting it to all major places in the vicinity. The transportation policy of the University is to ensure easy and comfortable accessibility to the University, besides, maintaining its responsibilities towards environment.

#### **Sustainable commuting**

University has a promising commuting measure as there are various shuttlebuses, electric carts for students and staff riding round the clock free of cost enabling the staff and students to reach their respective departments on time.

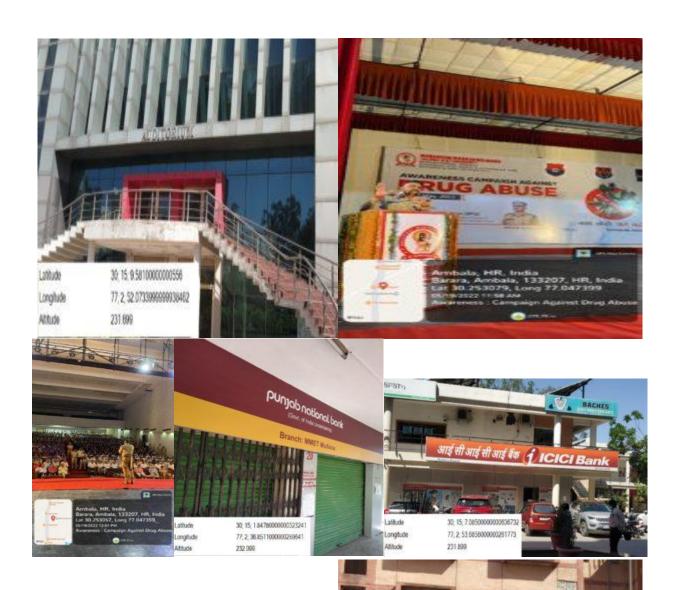
#### **Pedestrian priority on campus**

there are footpaths all around the university premises to promote walking and ease pedestrians

#### **Sustainable Infrastructure**

**Campus Facilities** 













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**Number of Journal Publications: 115 (approx..)** 

M. M. Institute of Computer Technology and Business Management has organized a Campaign for "Ban of Single-Use Plastic".

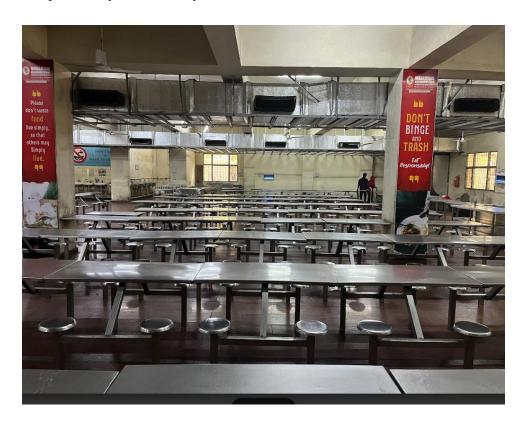
M. M. INSTITUTE OF COMPUTER TECHNOLOGY AND BUSINESS MANAGEMENT HAS ORGANIZED "SWACHHATTA HI SEWA CAMPAIGN" FOR "BAN OF SINGLE-USE PLASTIC".

M. M. Institute of Computer Technology and Business Management has organized "Swachhatta Hi Sewa Campaign" for "Ban of Single Use Plastic". Main motive of this campaign was to generate awareness among students and faculties to make the society plastic free. A video was shown to all the students and faculty of the institute to make them aware of this important issue. A street play was also organized to create awareness about the damage caused by plastic. Essay writing and poster making competitions were held. Students from different institutes of the Maharishi Markandeshwar (Deemed to be University), Mullana became part of this campaign and made it successful.





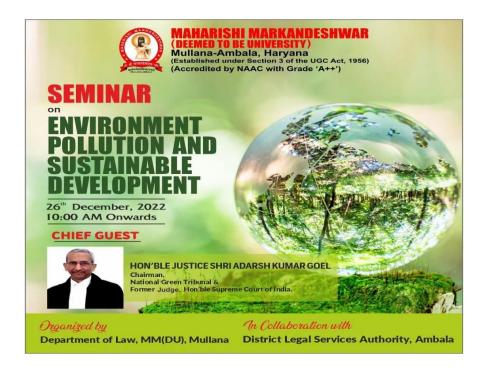
MMDU has installed hoardings at critical points with in the university premises to avoid any kind of waste.specifically in university mess.





**Number of Journal Publications: 12 (approx..)** 

#### **Seminar on Environment Pollution**



Department of Law, Maharishi Markandeshwar (Deemed to be) University, Mullana Ambala is going to organize a Seminar in collaboration with District Legal Services Authority Ambala, on 'Environment Pollution and Sustainable Development' on 26.12.2022 at 10:00 AM. Hon'ble Justice Shri Adarsh Kumar Goel, Chairperson, Hon'ble National Green Tribunal and Former Judge Hon'ble Supreme Court of India has graciously given his consent to be Chief Guest in the Seminar. The Chairman and members of the Monitoring Committee for State of Punjab and Haryana are also gracing the occasion with their presence.n of NGT will be the chief guest for the session.



# **Number of Journal Publications: 17 (approx..)**

Fish Pond The fish pond was developed at Sohana in July 2023 by department of Agriculture, Maharishi Markandeshwar University, Mullana. The dimensions of fish pond are 15m\*20m. We released one thousand fishes in fish Pond at Sohana, on 4/10/2023. The fishes released in fish pond are Rohu, Mirgal, common carp and Big hud. We prepared green natural feed for them. The feed ingredients utilized were Urea, DAP, Mustard and cake. We are regularly providing feed to them and regularly adding fresh water in fish pond to control water oxygen level in fish pond. The objective and learning outcomes of Pisciculture are followings Objectives:To familiarize the students with fishes and their products Learning Outcomes: • Students will acquire the skill of Rearing and Management of fishes. • They would be able to start fisheries as a business • Fisheries contribute to self sufficiency in food and unemployment













**Number of Journal Publications: 147 (approx..)** 

## M.M SuperSpeciality Hospital performs life – saving surgery



Once again, M.M SuperSpeciality Hospital, Mullana succeeds in saving a precious life owing to the skill and experience of its team. Dr. Subhash Chawla and his team comprising of Dr. Naveen Yadav, Dr. Prakash Biswas and Dr. Shivam Sharma and the anesthesia team headed by Dr. N P Singh saved the life of an eight year old girl with laparoscopy surgery. The patient recovered fully after the surgery and has started taking oral feeds on post operative day 2.

Dr. (Col) Subhash Chawla and his team of Minimal Access Surgery saved a girl child's life by doing a challenging and complex surgical procedure laparoscopically without opening the abdomen. Patient Zaveria, 8 year old child came to MMSH with multiple complaints of pain abdomen with distention, vomiting and inability to pass stool and flatus from last 8 days. Patient's terrible condition and her young age were a matter of concern for the specialist doctors. She was finding it heart to breathe as well. After giving her initial treatment and stabilizing her; a thorough evaluation was done with X-ray, ultrasonography and CT scan. She was diagnosed

with left sided diaphragmatic hernia with herniation of large intestine into the left chest. There was a constriction ring formed around the hernial defect site with narrowing of large intestinal loop.

Diaphragmatic hernia may be present since birth or may manifest after a traumatic injury. Dr. Chawla said that Laparoscopic procedures are always better than open procedure. The patient has been discharged and reviewed after 5 days and is completely healthy.

MMSH offers world-class health treatments and laparoscopic procedures of gall bladder, stones, gall bladder cancer, CBD stones, all types of hernia in male female and children including incisional hernias, appendix, major laparoscopic procedures of stomach, pancreas and spleen, surgery of rectal prolapse, hemorrhoids, and fistula by latest technique called VAAFT. Endoscopic surgeries of thyroid disease including early thyroid cancer are also done here without any scar in the neck.

## Hospital Infrastructure



#### Skill Lab-1

**Demonstration Room** 



**Dissection Hall** 

Skill Lab-2



Skill Lab-4 Skill Lab-4



Skill Lab-5 Blood Bank-1





Blood Bank-3 Blood Bank-3





Radiotheraphy



Ultrasound



X-ray Echo



MRI ICU



Cath Lab CT Scan



# **Number of Journal Publications: 25 (approx..)**

The Department of the Law, MMDU, Mullana in collaboration with DLSA. Ambala organized a visit to old age home 'Apna Ghar' to interact with the beloved senior citizens and to celebrate the occasion of Diwali with them. The students conducted various activities for old age people. The old age home was decorated by the students for Diwali occasion. The lighting of dias and candles was also done. The students and teachers also interacted with the old people. The students were made aware about the working and management of old age home. Overall, the visit was successfully completed under the guidance and leadership of Prof. (Dr.) Bindu Jindal, Head and Dean, Department of Law who accompanied the total 38 students along with faculty member.



Department of Law, Maharishi Markandeshwar (Deemed University), Mullana organized a Legal Aid Camp in collaboration with District Legal Services Authority Ambala in village i.e., Karasan, Tehsil Shehzadpur of Distt. Ambala on 11th February 2022 in which the faculty members, students and villagers participated in good number.

"The programme was started by dividing 36 students into three groups. One faculty member accompanied each group. They assembled in the Community Hall of the village. the door-to-door campaign was done and Questionnaires prepared by the department of law were filled by way of Google forms. Student participants helped the villager to fill that Performa. Total 262 questionnaires were filled."



The Department of Law, MM (DU) Mullana in collaboration with District Legal Service Authority, Ambala organized a visit to District Court Ambala to observe the proceedings of Lok Adalat on 26 November 2022. During this visit the students attended a session chaired by Dr. Sukhda Pritam, CJM cum Secretary DLSA. Ambala celebrating Constitution Day, as 26th of November is celebrated as the one. One of the students read out the Preamble of the Constitution. After that the students visited various court rooms where the proceedings regarding summary trial, labor, property disputes etc. were taking place. The Head of the Department, Dr. Bindu Jindal presided as a member in Lok Adalat Bench No.8, which looked after labour matters pending in Labour Court. A total of 22 students visited to the ADR center along with two faculty members.



## **Number of Journal Publications: 17 (approx..)**

Maharishi Markandeshwar (Deemed to be University) aims to play an active role in SDG-17, promoting partnerships and collaborations that contribute to the achievement of all Sustainable Development Goals and foster a more interconnected and sustainable global community.

A number of MoUs have been signed with industries from technical, law and health care sector MM(DU) has direct involvement in making National Govt., State Govt. or Regional NGOs SDG policies development through its various faculty members of its constituent institutions at different levels. Some of the proofs of CY 2022 have been uploaded. Moreover, Various departments of MM(DU) have been collaborating with Govt. agencies for identifying problems and challenges faced by the society and have been organizing different activities.

MM(DU) has established academic collaborations with a number of foreign HEIs covering pertinent areas of SDGs like Green Engineering, Health Sciences, Capacity Building in Nursing, learning material for health wellness awareness etc.

Maharishi Markandeshwar (Deemed to be University) (MMDU) collaborates with NGOs to advance SDGs. The Department of Law, in partnership with District Legal Service Authority and National Commission for Women, organized a Special Legal Awareness Programme on 07.12.2021. The event, aligned with SDGs, aimed to empower female students with legal knowledge. Key participants, including Hon'ble CJM Dr. Sukhda Pritam and Ms. Ranu Purohit, Advocate, Supreme Court, emphasized the importance of legal awareness in promoting justice and gender equality. The program, inclusive of 72 law students and 25 from Government High School, Sohana, Ambala, aligns with SDG 17. MMDU's collaboration with NGOs reflects its commitment to addressing social issues and promoting justice through education. The university actively contributes to a just, equitable, and sustainable society by empowering women with legal knowledge, exemplifying dedication to SDGs. Proof of some other activities has also been uploaded.

MM(DU) demonstrates commitment to sustainability through additional courses like Environmental Studies, Herbal Drug Technology, etc. In the Law Department, SDGs are integrated into the syllabi, aligning with SDG 16. This ensures future legal professionals understand global goals and promotes the rule of law. MM(DU) extends this commitment by embedding SDG-related content across disciplines, aligning with SDG 4 and SDG 17. This inclusive education strategy prepares students for a sustainable future, fostering responsibility and global citizenship. MM(DU) actively contributes to SDGs, fostering a culture of sustainability among students

MMDU is committed to fostering educational outreach activities for the wider community, encompassing diverse stakeholders such as alumni, local residents, and displaced individuals. The university's dedication to community engagement is exemplified through different initiatives by its various institutes. These outreach activities showcase MMDU's commitment to extending the benefits of education and legal/health services beyond its academic boundaries. By actively engaging with the wider community, the MM(DU) contributes to the dissemination of knowledge, awareness of rights, and participation in societal welfare. These initiatives reflect a holistic approach to education that considers the broader impact on society, aligning with the principles of Sustainable Development Goals and fostering a sense of social responsibility among its students and faculty

A drug deaddiction programme was organized under Nasha Mukt Bharat Campaign by Department of Law and Maharishi Markandeshwar Institute of Management (MMIM) in collaboration with District Red Cross Society, Ambala at Bala Sundari Temple, Mullana, Ambala on 21-12-22. This programme was organized under guidance of Prof (Dr.) Bindu Jindal (Head and Dean) Department of Law. The chief guest in the programme was Mr. Bijender (SDM. Ambala), 25 students of Department of Law and Maharishi Markandeshwar Institute of Management (MMIM) participated in the event. A play on deaddiction was presented by students of Department of Law and a nukkad natak was presented by students of Institute of Management. Through this play and nukkad natak people were made aware about harmful consequences of alcohol and other addictions. People were made aware that if a single family member becomes addicted to alcohol or other addictions, then it not only ruins the life of an addicted person but it also affects the whole family.

Department of Law, MM (DU) Mullane, Ambala organized a program on the occasion of "International Children's Day on 21 November 2012, coordinated by Ajay Shankar, Times Coordinator in CHILDLINE helpline services (1098) under the project of Ministry of Women and Child Development. The program was attended by the students of the University and 25 Children's from the underprivileged section of the society and aware students about the good and

the bad touch by showing various videos and put light on the 4 origins of the children Right Life, Development, Protection and Participation. He also mentioned various provisions of the POCSO and Juvenile Justice Act. Also told the students about various free legal aid provided by the department to the various sections of the society.



Department of Law, MMD(DU) Mullana Ambala organise a visit to Central Jail under campaign of Haq Hmara hai in collboration with DLSA, Ambala from 01/11/2022 - 10/11/2022 for prviding basic legal assistance to persons confined in prisons and child care institutions to commemorate the 75<sup>th</sup> Year of Indepedence.

#### **Education for SDGs commitment to meaningful education**

- EVS is mandatory for most students. Many health science-related subjects are part of many programs. Renewable energy/energy conservation subject in some programs. Potable water/water Engg. in Civil Engineering program.
- The Department of Law, M.M (DU) Mullana in collaboration with District Legal Services Authority. Ambala organized a virtual "Poster Making Competition" for law students on 13<sup>th</sup> July 2021. A total of 9 entries were received. The top 3 winners were Sukhvinder (2518052), Kirti Rawat (2517031) and Sanjana (2519041).
- All the winners were invited to the DLSA, Ambala on 27th July 2021 and were felicitated by Dr Sukhda Pritam, CJM cum Secretary, DLSA, Ambala in the presence of Dr. Bindu Jindal, HOD, Department of Law, MMDU."

- The following subjects are being taught at the UG level besides the Professional Engineering and Professional Science course/ engineering elective course
- Disaster management
- Planning for sustainable development
- Environmental studies
- We are having a topic of sustainability under the community health nursing subject.
- Topics suc as EVS, Herbal Drug Technology, and animal work are taught in the Pharmacy program.

#### **Education for SDGs: specific courses on sustainability**

M. Tech Civil Engg. with Specialization - Structural Engg. M.Sc.- Dietetics and Nutrition for nutrition-related knowledge. Food Science (Dietetics and Nutrition) as a program. Diploma in Hotel Management with Specialization - Health and Fitness Nutrition.

Implementation of Sustainable Development Goals to promote awareness about Intellectual Property Rights (IPR)



**Event Category**: Seminar

No. of Participants: 34

**Topic**: Implementation of Sustainable Development Goals to promote awareness about Intellectual Property Rights (IPR)

Resource person: Mr. Subrat Sahu-Examiner of Patents and Designs Indian Patent Office.

Dr. Manu Goyal (PT) addressed all the participants and introduced them to the resource person. The seminar started with a brief outline about the patent, copyright and trade mark introduction by the resource person and detailed procedure of patent filing was discussed. At the end, vote of thanks was delivered by Dr Manu. All the participants attended the seminar with great enthusiasm. The seminar was very effective and informative. MMIPR is looking forward to organize more such events in future.



MMDU is committed to SDGs and will chalk out more intensive plans to meet all the 17 SDGs more appropriately in future.

